Application: *Fisheries Act* authorization

Step 1 of 13

Project overview

Give us an overview of your project. This helps us understand what you are proposing so we may asses it accurately.

Project title (required)
Give your project a unique title to identify it. (100 characters)

Project description (required)
Provide a plain language summary of your project. This will be posted publicly. (1500 characters)

Step 2 of 13

Project timing

Tell us about when the project work will be carried out. This helps us assess potential impacts on fish and fish habitat.

Project start date (required)

Project end date (required)

Check your project location's timing window

Check when work can be conducted in-water at your project location. Timing windows may vary by province and territory, species or watercourse.

Will in-water work comply with the timing window for the project location? (required)

- [ ] Yes
- [ ] No

Step 3 of 13

Proposed work

Tell us what work you are proposing and how it will be carried out. Describe the activities involved, where and when the work will happen, and the methods or equipment you will use. This information helps us assess potential impacts on fish and fish habitat.

Select the work, undertaking or activity included in your project (required)

Select all that apply.

Transportation infrastructure

- [ ] Boathouse
- [ ] Boat launch/ ramp
- [ ] Bridge
- [ ] Causeway
- [ ] Culvert
- [ ] Dock recreational
- [ ] Temporary ford
- [ ] Ice bridge and snow fill
- [ ] Jetty
- [ ] Mooring
- [ ] Pier
- [ ] Wharf

Erosion protection and shoreline, bank and channel modification

- [ ] Beach
- [ ] Berm
- [ ] Breakwater
- [ ] Dyke
- [ ] Groyne
- [ ] Shoreline/ streambank stabilization
- [ ] Watercourse realignment

Water level and flow modification

- [ ] Dam
- [ ] Fishway/ ladder
- [ ] Groundwater extraction
- [ ] Stormwater management facility
- [ ] Surface water taking
- [ ] Water control structure
- [ ] Water intake
- [ ] Water outfall
- [ ] Weir

Soil and sediment removal and disposal, waste storage

- [ ] Blasting
- [ ] Dredging (in water)
- [ ] Excavation (on land, near water)
- [ ] Open water disposal
- [ ] Tailings impoundment area

Vegetation removal, beaver dam removal, log handling and habitat modification

- ☐ Aquatic vegetation removal
- ☐ Beaver dam removal
- ☐ Habitat restoration
- ☐ Log handling/ dump
- ☐ Log removal
- ☐ Riparian vegetation removal

Energy infrastructure, resource extraction and exploration

- ☐ Aquaculture
- ☐ Cable crossings
- ☐ Pipeline crossing
- ☐ Seismic work
- ☐ Turbine (hydro and tidal)
- ☐ Wind power structure

Description of all works, undertakings and activities proposed in or near water (required)

Please include a) the purpose of the proposed work(s), undertaking(s), and/or activity(ies); b) associated infrastructure; c) any permanent or temporary structures involved; and d) the construction methods, building materials, explosives, machinery and other equipment that will be used, and e) the area of fish habitat expected to be affected in or near water (in square metres). (10,000 characters)

Project phases and work plan (required)

Describe what work will happen in each phase, and when each phase will happen. (2000 characters)

Step 4 of 13

Project location

Tell us where the project will take place by providing geographic coordinates and the name of the nearest community. This information helps us plan site visits and assess potential impacts on fish and fish habitat.

Coordinate type (required)

- [ ] Degrees, Decimal
- [ ] Degrees, Minutes, Seconds
- [ ] UTM

Degrees, Decimal

Latitude

Enter latitude in degrees, decimals. Use at least 4 decimal places. For example, 45.5215

Longitude

Enter longitude in degrees, decimals. Use at least 4 decimal places. For example, -45.5215

Degrees, Minutes, Seconds

Latitude

Enter latitude in degrees, minutes, seconds. For example: 62° 25’ 17” N

Degrees		Minutes		Seconds	
	°		’		”

Longitude

Enter latitude in degrees, minutes, seconds. For example: 62° 25’ 17” W

Degrees		Minutes		Seconds	
	°		’		”

UTM

UTM zone

Easting

Enter Easting in metres. For example, 704260 m.

Northing

Enter Northing in metres. For example, 5903230 m.

Province or territory

Select province or territory

Nearest Community

Reference the community nearest to the location of your project to give us a general reference point. When possible, use geographic names recognized by the Geographical Names Board of Canada.

Nearest community (required)

Nearest community’s municipality, district or county (required)

Step 5 of 13

Site description

Tell us about the site where work will take place and the water bodies that are present or may be affected by the work. This informaiton helps us assess potential impacts to fish and fish habitat and plan site visits.

Please attach the following documents in a PNG, JPEG, PDF or ZIP format. Each file must be smaller than 200 MB (required)

- [ ] Detailed site plan for example a large-scale site plan, showing the project layout, size, position, and distance to surrounding features including buildings, landmarks, watercourses, water bodies and geographic features (maximum 10 files)
- [ ] Engineering, technical or scale drawings and specifications for proposed works, undertakings and activities. If applicable, include technical assessments (maximum 10 files)
- [ ] A general site plan, for example a small-scale site plan, showing the overall project location, boundaries, access routes and any nearest communities (maximum 10 files)

Directions to access the site (required)

Provide the route or highway number (2000 characters)

Affected water body or watercourses near your project (required)

Name any watersheds, water sources and water bodies that are affected (2000 characters)

Identify the main type of aquatic habitat where the project will take place (required)
Select all that apply

- [ ] **Bank or shore at the interface between land and water**
  Land area alongside river or shoreline where terrestrial and aquatic ecosystems interact.
- [ ] **Estuary**
  Water where freshwater mixes with seawater, creating brackish conditions or salt marshes.
- [ ] **Lake**
  An inland body of standing water surrounded by land, typically freshwater.
- [ ] **River or stream**
  Flowing freshwater systems and their channels.
- [ ] **Salt water or marine**
  Saltwater environments such as oceans and seas.
- [ ] **Wetlands**
  Marshes, swamps and bogs dominated by vegetation and saturated soils.

Step 6 of 13

Fish and fish habitat

Tell us about the fish and fish habitat that are present at the site or may be affected by the work. This information helps assess risks to fish and fish habitat.

List the fish species present at the site or that may be affected by the work (required)
2000 characters

List the life stages and abundance of each species present at the site or may be affected by the work (required)

2000 characters

Description of the fish habitat present at the site or that may be affected by the work, including how it supports fish in carrying out their life processes (required)

Include a quantitative or qualitative description of the type and characteristics of the fish habitat.
2000 characters.

Description of how the information about the fish and fish habitat was obtained. Include the sources, methods and sampling techniques used (required)

For additional help, seek advice from a qualified environmental professional. 2000 characters.

☐ **Attach date-stamped photos that clearly indicate the key habitat characteristics that are likely to be affected by the proposed work, undertaking or activity.** (required)
Attach up to 30 photos in PNG, JPEG, PDF or ZIP format. Each file must be under 200 MB.

Check if your site has species at risk

You may use the Aquatic Species at Risk Map or the Species search to check whether aquatic species at risk have been documented at your site. These tools include species listed as extirpated, endangered, threatened, or of special concern under the *Species at Risk Act.*

Has one or more aquatic species listed as extirpated, endangered, threatened, or of special concern been documentated in the project location? (required)

☐ Yes

☐ No

If yes: List all aquatic species at risk in the project location (required)
2000 characters

Step 7 of 13

Codes of practice

Tell us which parts of your project will follow a code of practice. This information helps us assess risks to fish and fish habitat.

Check if your project can apply a code of practice

Check if your project can apply a code of practice.

Codes of practice offer guidance on how to do routine work in or near water while protecting fish and fish habitat. If you can follow a code of practice, you do not need a project-specific review for the parts of your project that it covers. Codes of practice help streamline project review while ensuring compliance with the *Fisheries Act*.

Will you be applying any of the following codes of practice to your project? Select all that apply.

By selecting a code of practice, you agree to follow all of its conditions

- [ ] Beaver dams: breaching and removal
- [ ] Boathouses, docks and moorings: Construction, maintenance and repair
- [ ] Bridges: Maintenance and repair
- [ ] Clear span bridges: Construction, maintenance and repair
- [ ] Culverts: Maintenance
- [ ] Dredging for navigation: Routine maintenance
- [ ] Ice bridges and snow fills: Construction, maintenance and decomissioning
- [ ] In-water structures: Maintenance and repair
- [ ] Temporary fords: Crossing
- [ ] No codes of practice will be applied

How will you use the code of practice?

2000 characters

If no codes of practice will be applied: Why are you not using any codes of practice?
2000 characters

Step 8 of 13

Technical standards

Tell whether parts of your project will follow a DFO technical standard. Each DFO technical standard outlines what a Qualified Environmental Professional (QEP) needs to attest to when using a technical standard. This information helps us assess risks to fish and fish habitat.

If technical standards do not apply to all parts of your project, you will need to provide additional information in later steps.

Which technical standard will you apply to your project? Select all that apply.
By selecting a technical standard, you agree to follow all of its conditions

- [ ] DFO technical standard: Watercourse crossing

- [ ] **Attestation from a Qualified Environmental Professional** (required if applying a technical standard)
  Attach up to 2 files in PNG, JPEG, PDF or ZIP format. Each file must be under 200 MB.

Can you apply all of the relevant measures in the standard to your project? (required if applying a technical standard)

- [ ] Yes
- [ ] No

Are all of your project works, undertakings, and activities covered by technical standards? (required if applying a technical standard)

- [ ] Yes (Go to Step 12)
- [ ] No (Continue to Step 9)

Step 9 of 13

Avoidance and mitigation measures

Tell us about the measures that will be used to avoid and mitigate risks to fish and fish habitat and prevent harmful impacts. This information helps us assess the risks associated with your project.

Visit the Projects Near Water website to learn more about mitigation measures to avoid and mitigate risks to fish and fish habitat.

Select all measures to protect fish you will apply

- [ ] Avoid killing fish by means other than fishing
- [ ] Avoid using explosives in or near water
- [ ] Carry out project in accordance with timing windows, if water is present
- [ ] Limit the duration of in-water works, undertakings and activities
- [ ] Capture fish trapped within an isolated or encolsed area and relocate them to the same watercourse or water body
- [ ] Dewater gradually to reduce the potential for stranding fish
- [ ] Capture and relocate any fish as per applicable permits
- [ ] Reduce impingement and entrainment of fish from water intakes when in operation
- [ ] Water intake end-of-pipe fish screens mitigation procedure
- [ ] Reduce noise and energy during all phases of the project

Select all changes to fish passage measures you will apply

- [ ] Avoid changing flow or water level
- [ ] Avoid obstructing or interfering with the movement and migration of fish
- [ ] Maintain fish passage during all phases of the project
- [ ] Maintain hydrodynamic and hydraulic conditions (meaning, flow) during all phases of the project

Select all changes to riparian zone measures you will apply

- [ ] Use existing trails, roads, access points or cut lines
- [ ] Maintain a functioning vegetated riparian zone
- [ ] Limit vegetation removal, pruning, and grubbing to the area required for accessing the project site

- [ ] Limit access to shorelines and banks or areas adjacent to the watercourse or water body
- [ ] Construct roads, access points and approaches perpendicular to the watercourse or water body
- [ ] Use methods to reduce soil compaction (for example, swamp mats, pads)
- [ ] Reinstate slopes of the affected riparian zone
- [ ] Re-vegetate the affected riparian zone with native species suitable for the project site

Select all changes to habitat structure and cover measures you will apply

- [ ] Avoid conducting any works, undertakings, or activities in water
- [ ] Limit disturbance of fish habitat features (for example, aquatic plants, rocks and woody material) to the area required to carry out the project
- [ ] Operate machinery on land, from barges or on ice during all phases of the project
- [ ] Limit operation of vehicles and machinery to the area needed to do the project
- [ ] Maintain natural flow and seasonal flow of water during all phases of the project
- [ ] Reinstate slopes of the affected riparian zone
- [ ] Restore the bed and banks, gradient, and contour affected by the project

Select all changes in sediment concentration measures you will apply

- [ ] Avoid introducing sediment in the water (for example, silt, clay and sand)
- [ ] Install erosion and sediment controls prior to beginning the project
- [ ] Implement an erosion and sediment control plan for all phases of the project
- [ ] Install erosion and sediment controls to manage sediment laden water during all phases of the project
- [ ] Develop an erosion and sediment control plan for all phases of the project
- [ ] Regularly observe the watercourse or water body for signs of suspended sediment during all phases of the project
- [ ] Take corrective action when and where required
- [ ] Inspect the erosion and sediment controls regularly during all phases of the project
- [ ] Repair the erosion and sediment controls during all phases of the project

- [ ] Operate machinery on land in stable areas
- [ ] Use biodegradable materials for erosion and sediment controls whenever possible
- [ ] Dispose of, and stabilize, all excavated material above the ordinary high water mark or top of bank of nearby watercourses or waterbodies
- [ ] Remove all erosion and sediment controls (unless biodegradable) once the site has been stabilized
- [ ] Use clean materials free of fines (for example, silt, clay or sand)
- [ ] Pump sediment laden water into a vegetated area or filtration system (for example, settling basin)
- [ ] Release water gradually when suspended sediment has settled in the settling basin and water is clear
- [ ] Conduct all phases of the project in isolation of open or flowing water
- [ ] Keep the erosion and sediment controls in place until all disturbed ground has been stabilized and suspended sediments have settled

Select all changes to wetted area measures you will apply

- [ ] Avoid any temporary or permanent increase in existing footprint below the ordinary high water mark

What other project-specific avoidance or mitigation measures will you apply?
2000 characters

What monitoring measures will you use to assess the effectiveness of your avoidance and mitigation measures? (required)
2000 characters

Deposit of a deleterious subtsance in water frequented by fish is prohibited under section 36(3) of the *Fisheries Act*.

Follow these best practices to prevent the entry deleterious substances into water.

Step 10 of 13

Impacts after avoidance and mitigation measures

Tell us about impacts to fish or fish habitat after measures to avoid and mitigate risks to fish and fish habitat have been applied. This information helps us assess risks to fish and fish habitat.

After you apply all avoidance and mitigation measures, will the operations of your existing facility still cause the death of fish or the harmful alteration, disruption or destruction (HADD) of fish habitat? (required)

- [ ] Yes
- [ ] No (proceed to Step 11)

For each affected water body, estimate the expected fish mortality resulting from the works, undertakings and activities included in your project, after avoidance and mitigation measures have been applied. Include the species, life stanges and estimated number of fish affected (required)

2000 characters

Describe the impacts to fish habitat after avoidance and mitigation measures have been applied, including their likelihood and severity, geographical extent and duration. Quantify the impacts where possible, and provide an explanation if quantitative information is not included (required)

2000 characters

Describe how the impacts to fish and fish habitat were determined and the methodologies used to estimate them. Include the sources and sampling techniques used.(required)
2000 characters

Step 11 of 13

Engagement with Indigenous groups

Tell us about your engagement with Indigenous groups for this project, including who you engaged with, how you communicated, and what concerns were raised. This information helps us understand how your project may impact or affect groups.

Check which Indigenous groups may be impacted.

Check the Aboriginal and Treaty Rights Information System (ATRIS) to help identify Indigenous groups and existing consultation protocols. You may also ask the Indigenous groups you are working with if they have a protocol or preferences for engagement.

The concierge service can support major project applicants to identify potentially impacted Indigenous groups.

List the Indigenous groups you have engaged with about the project (required)
2000 characters

Description of how you communicated with Indigenous groups (required)

Include emails, meetings, phone calls, information sessions, or any other communication methods. 2000 characters

Summary of key concerns discussed during engagement with Indigenous groups, and how they were addressed and communicated back to groups

Include any avoidance, mitigation or compensation measures discussed, and whether Indigenous knowledge was shared, If concerns were not able to be addressed through avoidance, mitigation or compensation, explain why. 2000 characters

Description of plans and discussion topics for future engagement with Indigenous groups3

Include emails, meetings, phone calls, information sessions, or any other communication methods. 2000 characters

Step 12 of 13

Contact information

Tell us who the authorization will be issued to.

The person or organization recieving the authorization carries legal responsibilities

The authorization must be issued to the individual or organization with the authority to ensure the authorization conditions are met, rather than to a contractor, consultant, employee or other party acting on their behalf.

The authorization recipient must meet the conditions of the authorization and will be subject to enforcement if those conditions are not met.

What is your role in the application? (required)

- ☐ **I am applying for myself (page 19)**
  The authorization will be in my own name
- ☐ **I am applying for my organization (page 20 and 21)**
  I work for the organization the authorization will be issued to
- ☐ **I am applying on behalf of someone else (page 22 and 23)**
  You are a consultant, contractor or agent applying for the individual or organization the authorization will be issued to

Applying for myself: Your contact information

We will issue the authorization to you, if your application is approved.

You will recieve an email summary of this application and be notified of any decisions.

First name (required)

Last name (required)

Mailing address line 1 (required)

Mailing address line 2

Country (required)

Province or territory (required)

City (required)

Postal code (required)

A1A 1A1

E-mail (required)

Phone number (required)

XXX-XXX-XXXX

Phone number ext.

Applying for my organization: Your contact information

You are applying on behalf of an organization you work for.

You will recieve an email summary of this application and be notified of any decisions. If an authorization is granted, you will also recieve a copy when it is isseud to your organization.

First name (required)

Last name (required)

Mailing address line 1 (required)

Mailing address line 2

Country (required)

Province or territory (required)

City (required)

Postal code (required)

A1A 1A1

E-mail (required)

Phone number (required)

XXX-XXX-XXXX

Phone number ext.

Applying for my organization: Authorization recipient's contact information

We will issue the authorization to your organization, if it is approved. They will recieve an email summary of this application and be notified of any decisions.

An organization may be a company, a non-profit, a government entity, an Indigenous governing body, or other legal entities. For an authorization to be granted to an organization, the full legal registered name of the organization must be provided.

Organization (required)
The full legal name of the organization

Mailing address line 1 (required)

Mailing address line 2

Country (required)

Province or territory (required)

City (required)

Postal code (required)
A1A 1A1

E-mail (required)

Phone number (required)
XXX-XXX-XXXX

Phone number ext.

Applying on behalf of someone else: Your contact information

You are applying on behalf of a client.

You will recieve an email summary of this application and be notified of any decisions. If an authorization is granted, you will also recieve a copy when it is issued to your client.

First name (required)

Last name (required)

Mailing address line 1 (required)

Mailing address line 2

Country (required)

Province or territory (required)

City (required)

Postal code (required)

A1A 1A1

E-mail (required)

Phone number (required)

XXX-XXX-XXXX

Phone number ext.

Applying on behalf of someone else: Authorization recipient's contact information

We will issue the authorization to your client, if it is approved. They will recieve an email summary of this application and be notified of any decisions.

An organization may be a company, a non-profit, a government entity, an Indigenous governing body, or other legal entities. For an authorization to be granted to an organization, the full legal registered name of the organization must be provided.

Who is your client?

- [ ] An individual
- [ ] An organization

First name (required for individual only)

Last name (required for individual only)

Organization (required for organization only)

Mailing address line 1 (required)

Mailing address line 2

Country (required)

Province or territory (required)

City (required)

Postal code (required)
A1A 1A1

E-mail (required)

Phone number (required)
XXX-XXX-XXXX

Phone number ext.

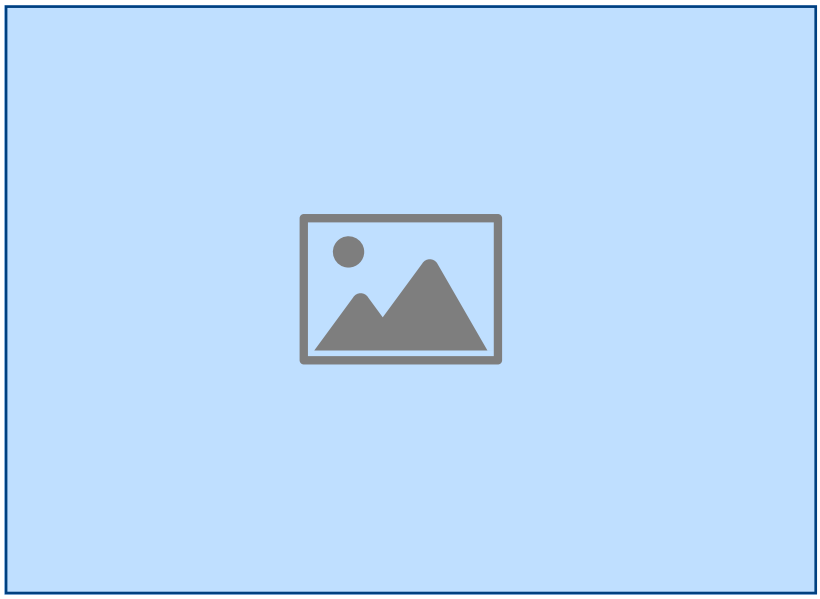
Step 13 of 13

Applicant Declaration

I solemnly declare the that information provided for this application are true, complete and correct, and I make this declaration conscientiously believing it to be true knowing that it is of the same force and effect as if made under oath. This declaration applies to all material submitted as part of this application for paragraphs 34.4(2)(b) and 35(2)(b) *Fisheries Act* Authorization.

Applicant's signature (and corporate seal)

Date



Information about the above-noted proposed work, undertaking or activity is collected by DFO under the authority of the *Fisheries Act* for the purpose of administering the Fish and Fish Habitat Protection Provisions of the *Fisheries Act*. Personal information will be protected under the provisions of the *Privacy Act* and will be stored in the Personal Information Bank number DFO PPU 680. Under the provisions of the *Privacy Act*, individuals have a right to, and on request shall be given access to, any personal information about them contained in a personal information bank. Instructions for obtaining personal information are contained in the Government of Canada's Info Source publications available at www.infosource.gc.ca or in Government of Canada offices. Information other than "personal" information may be accessible or protected as required by the provision of the *Access to Information Act*.

If you require additional space to provide relevant information, please attach that information and indicate the title of the form being used and the section to which you are responding.